

Serial No. 10/726,703

IN THE CLAIMS:

The text of all pending claims (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please CANCEL claims 1-4 and ADD new claims 9-13 in accordance with the following:

1. (Cancelled)

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Original) A continuous liquid infusion device, comprising:

a first structure having a vacuum pump barrel which has an open/close valve at its front end and an open rear end, a piston fitted into the vacuum pump barrel air-tightly, a stopper capable of locking the piston at the rear end of the vacuum pump barrel against atmospheric pressure, and a pusher movable in the same direction as that of the piston outside the vacuum pump barrel; and

a second structure having a liquid syringe which has a liquid port at its front end and an open rear end, and a piston fitted into the liquid syringe liquid-tightly, wherein

said first structure and said second structure are removably connected.

6. (Original) The continuous liquid infusion device according to claim 5, wherein said first structure and said second structure are connectable in a state in which the front end of the vacuum pump barrel of said first structure extends further forward than the front end of the liquid syringe.

7. (Original) The continuous liquid infusion device according to claim 5, wherein the first structure has dual pushers and the second structure has dual liquid syringes.

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8. (Original) The continuous liquid infusion device according to claim 6, wherein the first structure has dual pushers and the second structure has dual liquid syringes.
9. (New) The continuous liquid infusion device according to claim 7, wherein the dual liquid syringes are disposable and replaceable and are positioned so that openings of the syringes are substantially aligned, and the dual pushers have substantially the same length.
10. (New) The continuous liquid infusion device of claim 5, wherein a vacuum is generated manually in the vacuum pump barrel, whereby atmospheric pressure drives the piston inside the vacuum pump barrel.
11. (New) The continuous liquid infusion device of claim 7, wherein the dual pushers move substantially in the same direction as the piston of the vacuum pump, and the liquid syringes send liquid outside of the device.
12. (New) The continuous liquid infusion device of claim 9, wherein the dual pushers move substantially in the same direction as the piston of the vacuum pump, and the liquid syringes send liquid outside of the device.
13. (New) A continuous liquid infusion device for the transfusion of drug or chemical solution, such as anesthesia compounds and analgesic preparation, into patients' bodies, comprising:
 - a first structure having a vacuum pump barrel which has an open/close valve at its front end and an open rear end, a piston fitted into the vacuum pump barrel air-tightly, a stopper capable of locking the piston at the rear end of the vacuum pump barrel against atmospheric pressure, and a pusher movable in the same direction as that of the piston outside the vacuum pump barrel; and
 - a second structure having a liquid syringe, having the drug or chemical solution pre-stored therein, which has a liquid port at its front end and an open rear end, and a piston fitted into the liquid syringe liquid-tightly, whereinsaid first structure and said second structure are removably connected, and a vacuum is generated manually in the vacuum pump barrel, whereby atmospheric pressure drives the piston inside the vacuum pump barrel.